

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-017

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period July 19 – July 25, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period July 19 – July 25, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period. Incident investigations were completed with corrective actions identified. Implementation of corrective actions is ongoing.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, July 24, 2019 at the on-Site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- Environmental Protection Agency (EPA)
- Spokane Tribe of Indians
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- EPA approved the memo justifying the change in the new Water Treatment Plant design flow rate from 500 gpm to 250 gpm on July 25.

Regulatory Site Visit(s):

- Steve Demus, Jacobs representing EPA, was on Site on July 25.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of July 19 – July 25, 2019, the following activities were conducted:

- No remedial construction activities were performed between July 19 and 24 due to the truck bed rollover incidents. Remedial construction activities restarted on July 25 with two 8 hour shifts.
- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from South Waste Rock Pile (SWRP) west of the South Pond and SWRP North. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- Continued to shape smooth the South Pond on the SWRP to final grade, continued pulling rocks from the surface and placed drain gravel in the seep collection sump.
- A dozer was pushing the Low-Activity/Low-Reactivity mine waste Pit 4 Overburden Pile to the lines and grades shown on Drawing Sheet 4-4 in the East Tie-in area along the north and east edge of Pit 4 material.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume¹ yd³
July 19 – July 25, 2019	437	12,236
2019 Cumulative	47,122	1,319,416

1 - Truck load assumed to be 28 yd³

- Wm. Winkler continued processing stockpiled timber with their tub grinder in the south Construction Support Zone (CSZ). Chipped materials on the Temporary Impacted Soil Stockpile (TISS) were spread over mine waste material in a lift not exceeding 2 ft in accordance with RFI 2019-003.
- Pit 4 tension crack was measured on July 25. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- None

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- A diesel spill occurred at the 20,000 gallon fuel tank on July 19. Estimated volume of the spill was 6-10 gallons. Soils impacted with diesel were cleaned up and these impacted soils were disposed of in Pit 4.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None

The following equipment was demobilized from the Site during this reporting period.

- None

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Due to the Site safety shutdown, no construction activities occurred during the time-period July 19 to July 24 and all six dust monitors were turned off for the duration of the shutdown. Construction activities began again on July 25. All six monitors were turned on and operated both shifts on that day. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during either shift.

Bison Engineering was on Site July 25 to conduct monthly dust monitor calibrations (all 8 monitors) and the quarterly meteorological station calibration.

Table 2 - TSP Dust Monitoring Locations during reporting period July 19 – July 25, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19							D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19							D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19							D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19							D/N
ES-5 (roving)	Spare								
ES-6 (roving)	South of On/Off-Site Water Tanks	07/17/19							D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19							D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
01018-35.00	Stockpile 8 East As-Built (additional information requested on 7/2/2019)	7/1/2019 Resubmittal on 7/9/2019	7/11/2019 No Comments from EPA on 7/23/2019
01018-36.00	Stockpile 5 As-Built	7/1/2019	7/2/2019 Under EPA Review
01018-37.00	Stockpile 3-4 Partial As-Built	7/2/2019	7/4/2019 Under EPA Review
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
None			
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title		CQC-CQA Issue Date
None			
Other Items			
Item	Title		Comments
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period for the applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee

Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 - Overview of Pit 4, Looking South



Figure 2 - South Pond, Looking Southeast

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule				Data Date: 25-Jul-19 Print Date: 26-Jul-19							
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.	August 2019									
						21	28	04	11	18	25				
Midnite Mine 2019 Production Schedule															
Project Operations															
WTP & South Pond Excavation to Pit 4															
South Pond															
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	100%	0	06-May-19 A	NMC	to Pit 4									
SP3,4&SoPond-40	Finish Grade South Pond and Prep for Liner	50%	7	17-Jul-19 A	NMC							Finish Grade South Pond and Prep for Liner, Finish Grade South Pond and Prep for Liner			
SP3,4&SoPond-45	Transport South Pond Liner materials to site	0%	5	26-Jul-19	NMC							Transport South Pond Liner materials to site			
SP3,4&SoPond-55	Excavate and Install Concrete Trapezoid channel for spillway	0%	10	05-Aug-19	NMC							Excavate and Install Concrete Trapezoid channel for spillway			
Pit 4 Operations															
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	69%	69	16-Apr-19 A	NMC										
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	70%	69	16-Apr-19 A	NMC										
IC10	Install Pit 4 Infiltration Collectors (LOE)	45%	69	22-Apr-19 A	NMC										
Pit4Samp10	Pit 4 Sampling of Tie in location (west side)	50%	2	16-Jul-19 A	NMC							Pit 4 Sampling of Tie in location (west side), Pit 4 Sampling of Tie in location (west side)			
Pit4Samp20	Pit 4 Sampling of Tie in location (east side)	0%	5	25-Jul-19	NMC							Pit 4 Sampling of Tie in location (east side)			
SWRP (South Waste Rock Pile) to Pit 4															
SWRP North															
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	24%	5	01-Apr-19 A	NMC							Excavate and Haul SWRP North to Pit 4 (Part 1), Excavate and Haul SWRP North to Pit 4 (Part 1)			
Timber Processing Areas															
TISS - Timber Processing															
TISSTP-10	Chipping of Trees and Slash in TISS	100%	0	04-Jun-19 A	NMC	in TISS									
CSZ - Timber Processing															
CSZTP-10	Chipping of Trees and Slash in CSZ	25%	5	11-Jul-19 A	NMC							Chipping of Trees and Slash in CSZ, Chipping of Trees and Slash in CSZ			
Other Material to Pit 4															
Stockpile 1 (clear area for drain gravel)															
SP1-10	Excavate and Haul Stockpile 1 to Pit 4 (drain gravel clearing)	100%	0	26-Jun-19 A	NMC	to Pit 4 (drain gravel clearing)									
Stockpile 2 (clear area for drain gravel)															
SP2-10	Excavate and Haul Stockpile 2 to Pit 4 (drain gravel clearing)	70%	4	09-Jul-19 A	NMC							Excavate and Haul Stockpile 2 to Pit 4 (drain gravel clearing), Excavate and Haul Stockpile 2 to Pit 4 (drain gravel clearing)			
Pit 4 Overburden															
P4OB-10	Excavate Pit 4 Overburden at tie-in east side (and partial west side)	70%	10	25-Jun-19 A	NMC							Excavate Pit 4 Overburden at tie-in east side (and partial west side), Excavate Pit 4 Overburden at tie-in east side (and partial west side)			
Other Material															
CSZTS-05	Sampling of South-South West Area of CSZ (FSS)	100%	0	15-Jul-19 A	NMC	ing of South-South West Area of CSZ (FSS)									
General Tasks															
G10	Fence Inspection June 2019	100%	0	24-Jun-19 A	NMC										

◆ Current Milestone

■ Actual Work

■ Remaining Work

■ Critical Remaining Work

■ Remaining Level of Effort

■ Actual Level of Effort

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